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(57) Abstract :

A device (100) for visually impaired is disclosed. The proposed device (100) has a body (102) adapted to be worn by the user. The body (102) houses an image acquisition unit (104) and an audio unit (106). A housing (104) is communicatively coupled to the body (102), where one or more motion sensors (108) and a processing unit (110) are configured in the housing (104). The motion sensor (108) generates an activation signal based on the movement of the user. The processing unit (110) analyses the images received from the image acquisition unit (104) to detect one or more objects received from one or more users and sends it to the audio unit (106). The audio unit (106) produces instructions that facilitate the user to move without colliding with one or more objects detected within the predetermined area.

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